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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4

Applicant: Lenhard, et al.

Serial No.:

Group Art Unit:

Filing Date: 29 October 2001

Examiner:

For: CURRENT SENSOR WORKING IN ACCORDANCE WITH
THE COMPENSATION PRINCIPLE

Attorney Docket: 47192/265185

Date: October 29, 2001

Box PCT
Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Preliminary to any examination on the merits, Applicants respectfully submit
the following amendments:

In the Claims:

Kindly rewrite the claims as follows:

1. (Amended) A current sensor working in accordance with the
compensation principle comprising:
 - a primary winding through which the current to be measured flows,
creating a magnetic field,
 - a secondary winding, through which compensation current flows,
which generates a magnetic field compensating the primary winding, whereby the
primary winding and the secondary winding combined form a converter with certain
resonance frequencies,
 - a terminating resistor connected in a series to the secondary winding,